LOG BOOK 3 N3284W

The Standard

ENGINE LOG

ASA-SE-2

Engine Record General Information

N 3284W

Manufacturer Lycoming **Model** O-540 E4B5

Serial L-9261-40 **Type Certificate** _____

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____ **Oil Grade** Summer _____ Winter _____

Magneto Time _____ **Point Setting** _____ **Firing Order** _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ **hours**

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	s
				)

NORTH ALABAMA AVIATION
21390 FLIGHTLINE RD
TANNER, AL 35671

N#: **3284W** MK/MOD: **LYCOMING - O-540-E4B5** S/N: **L-9261-40**
Date: **02-03-2012** TACH: **4410.6** AF TT: **4410.6** TSMO: **1465.5**

ENGINE ANNUAL INSPECTION COMPLETED THIS DATE I/A/W F.A.R. 43 APPX D - USING PIPER AND LYCOMING MANAULS AND CHECKLIST AS A GUIDE. REMOVED ENGINE COWLINGS AND INSPECTED FOR DEFECTS AND CONDTION. DRAINED ENGINE OIL AND REMOVED FILTER. INSPECTED FILTER FOR CONTAMINATION. INSTALLED NEW OIL FILTER P/N ES48110-1 AND SAFTIED. SERVICED ENGINE WITH 10 QTS AEROSHELL 15W/50 ENGINE OIL. REMOVED SPARK PLUGS - CLEANED GAPPED AND TESTED ALL PLUGS. PREFORMED COMPRESSION TEST ALL CYLINDERS WERE 68/80 OR BETTER. REMOVED #2 CYLINDER DUE TO LEAKING EXAUSHT VALVE AND SENT FOR OVERHAUL. REINSTALLED OVERHAULED CYLINDER ASSY. SEE SERVICABLE YELLOW TAG FROM BROWN AVIATION. REINSTALLED USING LYCOMING SERIVCE AND OVERHAUL MANUALS. TORQUED HOLD DOWN NUTS AND THRU BOLTS PER LYOCMING SPECS AND LYCOMING SERVICE INSTRUCTS 1029D. REPLACED QTY. 2 ROCKER SHAFT BUTTONS P/N LW12892 QTY.1 P/N 30-17C19386 VALVE CAP. INSPECTED ALL HOSES AND FUEL LINES FOR LEAKS AND DEFECTS. TORQED ALL ROCKER BOX COVERS. INISPCTED CONTRLOL AND CHECKED FOR PROPER TRAVELS. ADS CHECKED THRU THIS DATE USING LATEST REVISION SEE AIRFRAME ENTRY. ENGINE RUN UP AND LEAK CHECK COMPLETED. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNAUL INSPECTION AND HAS BEEN FOUND IN AN AIRWORTHY CONDTION.

STAN SMITH 3473120 IA

YEAR 20 ____ DATE

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	ions er of ries.)

NORTH ALABAMA AVIATION

256-306-9070

21390 Flightline Rd.

Tanner, Al 35671

Pryor Field Regional Airport

Tach: 4448.0	Make: Lycoming	Model: O-540-E4B5
S/N: L-9261-40	TTAC: 4448.0	WO# 3236
N#: 3284W	TSMO: 1502.9	Date: 5/12/2013

Engine annual inspection completed this date I/A/W F.A.R. 43 Appx. D – using Lycoming and piper manuals and checklist as a guide. Removed engine cowlings. Removed spark plugs and cleaned, gapped, and tested. Preformed engine compression test with the following results #1 73/80 #2 72/80 #3 76/80 #4 70/80 #5 70/80 #6 74/80. Inspected engine hoses for leaks, defects, and condition. Replaced oil cooler hoses with new hoses see 8130 for details. Inspected engine controls for security, correct routing, and proper travels and stops. Inspected intake system for leaks and defects. Inspected exhaust system for cracks, defects, and leaks. Checked magneto timing to engine. Inspected engine accessories for defects, leaks, and correct installation. Ads checked thru this date using latest revision see airframe entry for details. Engine run up and leak check completed.

I certify that this engine has been inspected I/A/W an annual inspection and has been found in an airworthy condition.

Stan Smith – 3473120 – IA

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	ns

NORTH ALABAMA AVIATION

256-306-9070

21390 Flightline Rd.

Tanner, Al 35671

Pryor Field Regional Airport

Tach: 4488.0	Make: Lycoming	Model: O-540-E4B5
S/N: L-9261-40	TTAC: 4488.0	WO# 3492
N#: 3284W	TSMO: 1543.3	Date: 6/2/2014

Engine annual inspection completed this date I/A/W F.A.R. 43 Appx. D – using Lycoming and Piper manuals and checklist as a guide. Removed engine cowlings. Drained engine oil and removed oil filter. Opened oil filter and inspected for contamination (none found). Installed new oil filter P/N CH48110-1 and secured. Serviced engine with 11 Qts engine oil. Inspected engine controls for security, correct travels and stops and proper routing. Replaced engine hoses with new hose kit P/N PA-32-260KIT. Inspected intake system for leaks, defects, cracks, and condition. Inspected exhaust system for leaks, cracks, defects, and security. Inspected engine accessories for leaks, defects and security. Installed large area washers under bottom engine mounts and retorqed engine mounts. Ads checked thru this date using latest revision. See airframe entry for more details. Engine run

1 7/80 2 7/80 3 7/80 4 7/80 5 7/80 6 7/80

And leak check completed. No leaks found. I certify that this engine was inspected I/A/W an annual inspection and was found in an airworthy condition at the time of this inspection.

Stan Smith – 3473120 – IA

YEAR 20 15 DATE 4-26

YEAR 20 15 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
4-26-15	4531.1			Changed Oil & Filter Replaced with XC-20W/50 and AA48110-2 filter, opened oil filter and inspected for contamination, none found.
				Steve Mustakis owner

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

NORTH ALABAMA AVIATION

256-306-9070

21390 Flightline Rd.

Tanner, Al 35671

Pryor Field Regional Airport

Tach: 4531.0	Make: Lycoming	Model: O-540-E4B5
S/N: L-9261-40	TTAC: 4531.0	WO# 3762
N#: 3284W	TSMO: 1586.3	Date: 6/17/2015

Engine annual inspection completed this date I/A/W F.A.R. 43 Appx. D – using Lycoming and Piper manuals and checklist as a guide. Removed engine cowlings. Drained engine oil and removed filter. Opened filter and inspected for contamination. (None Found). Installed new filter and saftied. Serviced engine with 11 qts Phillips 20w/50 engine oil. Removed all 6 cylinders due to blow by and compression. Installed Qty. 6 new SL36006N-A20P Superior cylinder assys. S/N's #1 336N-E14-4474, #2 336N-A15-4739, #3 336N-E14-4478, #4 336N-C15-4769, #5 336N-E14-4480, #6 336N-C15-4768. Installed cylinders per Lycoming Overhaul and M.M. procedures and Lycoming Service Instructions 1029D. Torqued all thru studs and cylinder base studs per instructions. Reinstalled all removed accessories and baffles. Replaced 6 intake boots P/N 69603, Oil return hoses P/N STD1821, Qty.6. Piston pins P/N LW14087 Qty.6. Piston pin plugs P/N 60828 Qty.12. replaced Qty.2. bad silicone rocker gaskets with new p/N 08-01314. Replaced 3 primers P/N 63D21408. Replaced all scat hoses with customer supplied hoses. Checked magneto timing to engine. Checked all engine accessories for security, leaks, and condition. Inspected exhaust and intake systems for leaks, cracks, and defects. Replaced all exhaust gaskets and intake gaskets with gaskets provided in cylinder kits. Inspected all engine hoses for security, defects, and condition. Inspected all engine controls for security, correct routing, and correct travels and stops. Ads checked thru this date using latest revision. See airframe entry for details. Engine run in, leak check, and operational checks completed. Engine was run in to normal operating tempatures and leak checked multiple times. I certify that this ENGINE was inspected I/A/W an ANNUAL INSPECTION and was found to be in an AIRWORTHY CONDTIION at the time of this inspection.

Stan Smith – 3473120 – IA

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
8/22/15	4577.8			Oil & Filter Changed using 10 Qts Phillips 20W50 XC CH48110 Filter Inspected old Filter & Check normal. [signature] A&P 3473120

NORTH ALABAMA AVIATION

P.O. Box 70, Tanner, AL 35671
Shop(256)306-9070 FBO (256)355-5770

N# 3284W Date 5/20/16 Tach 4600.3

Lycoming O-540 S/N
TSMOH Engine Inspection Completed
this Date I/A/W Piper Inspection Report As
A Guide And F.A.R. 43 APP.(D) Engine Compression
74/80 or Above on Six Cylinders. Serviced
Engine with 10 Qts Shell W-100 And CH48110
Oil Filter. Inspected OLD Filter No Contamination.
Gapped Plugs & Check Case Bolt Torque Per M.M.
This Engine Inspected I/A/W Annual Inspection and
is Airworthy At The Time of This Inspection.

Signature [signature] Cert. # A&P 3473120 IA

YEAR 20 ___ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

NORTH ALABAMA AVIATION
PRYOR FIELD AIRPORT
21390 Flightline Rd. Tanner, AL 35671
256-306-9070

Tach: 4644.0 TSMO: 1699.3 TTAF: 4644.0 Date: 5/19/17

Make: Lycoming Model: O-540-E4B5 S/N: L-9261-40 WO# 4483

Engine annual inspection completed this date I/A/W F.A.R. 43 Appx. D - using Lycoming and Piper manuals and checklist as a guide. Drained engine oil and removed oi filter. Opened filter and inspected for contamination (none found). Installed new oil filter P/N CH48110-1 and secured. Serviced engine with 11 Qts Phillips 20w/50 engine oil. Removed spark plugs. Cleaned, gapped, inspected, and tested all plugs. Performed engine compression tests using 80 PSI as standard with the following results #1 72 #2 74 #3 72 #4 76 #5 71 #6 72. Inspected intake and exhaust systems for cracks, defects, leaks, security, and condition. Inspected engine controls for security, defects, ease of operation, and travels stop to stop. Inspected engine for loose or missing hardware. Inspected engine for oil leaks. Lubed starter Bendix. Removed Left magneto to perform AD99-04-04- see airframe entry for details. Reinstalled magneto after inspection. Installed using new gaskets P/N 62224 (1) and LW-12681 (1). Timed magnetos to engine and secured. Replaced #3 cylinder oil return line with new line P/N 68761 (1) and new return hose P/N STD-1821 (1). Lubricated engine controls as needed. Drained carburetor bowl and removed screen and inspected for contamination (none found). Reinstalled plug and screen and secured. Ads were checked through this date using latest revision see airframe entry for details. Engine run up, systems, and leak checks completed. I certify that this ENGINE was inspected I/A/W an ANNUAL INSPECTION and was found in an AIRWORTHY CONDITION at the time of this inspection.

HAP 3473120 IA

YEAR 20 18 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
				May 22 2018 Tach reads 4688.23 Total Time in Service 4688.23 Engine TSMOH 1743.53 Performed annual inspection IAW FAR 43 Appendix D Compression test as follows #177/80, #2 76/80, #3 75/80, #4 76/80, #5 76/80, #6 72/80. lubed all engine controls, checked magneto to engine timing. Performed run up to check for leaks (none noted), and performance (normal) AD Compliance may be found in the aircraft records. I certify that this Engine has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Jon O. Foote 3258949 IA
8-4-18	4725.0	4725.0	4725.0	Changed Oil & Filter Replaced with 8qts Phillips 20W50XC & Tempest 48110-2 Filter Cut Filter no Debris found Steve Mustatis Owner

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
				April 01 2019 Tach reads 4734.23 Total Time in Service 4734.23 Engine TSMOH 1789.53 Performed annual inspection IAW FAR 43 Appendix D Compression test as follows #179/80, #2 78/80, #3 79/80, #4 78/80, #5 78/80, #6 78/80. lubed all engine controls, checked magneto to engine timing. Performed run up to check for leaks (none noted), and performance (normal) AD Compliance may be found in the aircraft records. I certify that this Engine has been inspected IAW an Annual inspection and was determined to be in an airworthy condition.
				Jon O. Foote 3258949 IA

YEAR 20___ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
9-22-19	4776.8		4776.8	Changed oil + Filter Replaced with Tempest AA48110-2 + 10 qts XC 20W-50 Cut filter no debris Found Steve Mcsheltis owner

May 01 2020 Tach reads 4783.23 Total Time in Service 4783.23 Engine TSMOH 1838.53 Performed annual inspection IAW FAR 43 Appendix D Compression test as follows #172/80, #2 70/80, #3 70/80, #4 782/80, #5 74/80, #6 77/80. lubed all engine controls, checked magneto to engine timing. Changed Oil and filter using 10 Quarts Phillips 20W50XC and AA48110-2 filter no metal noted. Installed SureFly electronic ignition IAW STC SE04349CH, see 337 this date. Performed run up to check for leaks (none noted), and performance (normal) AD Compliance may be found in the aircraft records. I certify that this Engine has been inspected IAW an Annual inspection and was determined to be in an airworthy condition.

Jon O. Foote 3258949 IA

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
10-17-20	4809.3		4783.23	Changed Oil & Filter, Replaced with Tempest AA48110-2 & 10 qts YC 20W-50 Cut filter no Debris found Steve Mustalis Owner

3-16-21 Tach 4813.50 SMOH 1868.80 Engine. 100 HR inspection completed. Engine cleaned, compression as follows: #1 78/80, #2 77/80, #3 77/80, #4 75/80, #5 76/80, #6 74/80. Mag timing check OK, Changed oil and filter using 11 qts. Phillips 20W50XC and AA48110 filter, no metal found. Replaced L/H muffler clamp and intake SCAT duct to muffler shroud. Installed JPI sensors for oil pressure and temperature. All hoses and ducts check OK, Intake and exhaust system check OK. Spark plugs cleaned, gapped, and reinstalled. Engine ground run and found to operate IAW OEM specs. No leaks found. Insp performed IAW 14 CFR Part 43, App. 'D'. All work performed IAW FAA and OEM specs. I certify that this engine has been inspected IAW a 100 HR. inspection and found airworthy.
Ilice 4115a505AP

I certify that this engine has been inspected IAW an annual inspection and found airworthy. Scott R. Scarborough AP412788215IA

YEAR AND DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

March 08 2022 Tach reads 4882.46 Total Time in Service 4882.46 Engine TSMOH 1857.76 Compression test as follows #1 75/80, #2 74/80, #3 77/80, #4 78/80, #5 78/80, #6 76/80. lubed all engine controls, checked magneto to engine timing. Performed run up to check for leaks (none noted), and performance (normal)

Jon O. Foote 3258949 A&P

3-11-22 Tach 4882.46 SMOH 1937.76 Engine. Engine ground run and found to operate IAW OEM specs. No leaks found. Insp performed IAW 14 CFR Part 43, App. 'D'. All work performed IAW FAA and OEM specs. I certify that this engine has been inspected IAW an annual inspection and found airworthy. Scott R. Scarborough AP412788215IA

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
				2/7/2023 Tach 4945.65 SMOH 2000.95 Annual inspection completed. Engine cleaned, compression as follows: #1 78/80, #2 77/80, #3 77/80, #4 75/80, #5 76/80, #6 74/80. Mag timing check OK, Changed oil and filter using 11 qts. Phillips 20W50XC and AA48110 filter, no metal found. All hoses and ducts check OK, Intake and exhaust system check OK. Spark plugs cleaned, gapped, and reinstalled. Engine ground run and found to operate IAW OEM specs. No leaks found. Insp performed IAW 14 CFR Part 43, App. 'D'. All work performed IAW FAA and OEM specs. I certify that this engine has been inspected IAW an annual inspection and found airworthy. Scott R. Scarborough AP412788215IA

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

Executive Flight Center, 360 Clyde Shelton Drive , Meridianville AL 35759
Date: 03-30-2023 Logbook: Engine 1 Tail Number: N3284W

Tach: 4963.09 Model: 0-540 E4B5 Serial: L-9261-40

Repairs / Maintenance

- Installed customer provided right hand overhauled magneto Kelly Aerospace Slick Model 6350 SN K-06161. Operational and leak check ok..

The work described on the above work order was performed accordance with current regulations of the FEDERAL AVIATION ADMINISTRATION. **Ray Meyer AP3115846IA**_____